INTERNATIONAL SEARCH & PORT

International application No. PCT/US00/30448

A. CLASSIFICATION OF SUBJECT MATTER			
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :G06F 17/60, 17/00			
US CL : Please See Extra Sheet.			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 235/375; 340/5.42; 379/111, 114; 705/34, 39, 40, 400; 709/200, 202, 218, 219; 725/1, 25			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.
Y, P	US 6,073,160 A (GRANTHAM ET A 30.	AL.) 06 JUNE 2000, COL.2-	1-31
Y	US 5,960,416 A (BLOCK) 28 SEPTE	MBER 1999, COL.3-32.	1-31
Y	US 5,634,012 A (STEFIK ET AL.) 2	7 MAY 1997, COL.4-53.	1-31
	·		
Further documents are listed in the continuation of Box C. See patent family annex			
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the priority described by the private of t			
to	be of particular relevance	principle or theory underlying the inv	ention
	lier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	e claimed invention cannot be red to involve an inventive step
cite	ed to establish the publication date of another citation or other	when the document is taken alone	·
special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
reans P* document published prior to the international filing date but later than		being obvious to a person skilled in the art	
the priority date claimed			
Date of the actual completion of the international search Date		Date of mailing of the international search report	
16 JANUARY 2001		1 5[[1200)1
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks		Authorized officer	44 /
Box PCT Washington, D.C. 20231		GLEN BURGESTAMES R.	Matthews
Family No. (702) 205 200		Telephone No. (703) 305-4792	